

64. DNA according to claim 28, wherein the DNA encodes a C- and/or N-terminally shortened fragment of the polypeptide of A or B.

65. DNA coding for a polypeptide having the ability to bind TNF, wherein said polypeptide is selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr
tyr	leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr
asp	cys	arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser
glu	asn	his	leu	arg	his	cys	leu	ser	cys	ser	lys	cys
arg	lys	glu	met	gly	gln	val	glu	ile	ser	ser	cys	thr
val	asp	arg	asp	thr	val	cys	gly	cys	arg	lys	asn	gln
tyr	arg	his	tyr	trp	ser	glu	asn	leu	phe	gln	cys	phe
asn	cys	ser	leu	cys	leu	asn	gly	thr	val	his	leu	ser
cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys	his	ala
gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	asn								

, or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser	val
cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser	ile
cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn	asp
cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys	glu
ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his	cys
leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val	glu
ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly	cys
arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu	phe
gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val	his
leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys	his
ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu	pro
gln	ile	glu	asn										

, or a C- and/or N- terminally shortened sequence thereof;

C) a polypeptide comprising the amino acid sequence:

asp ser val cys pro gln gly lys tyr ile his pro gln asn
 asn ser ile cys cys thr lys cys his lys gly thr tyr leu
 tyr asn asp cys pro gly pro gly gln asp thr asp cys arg
 glu cys glu scr gly ser phe thr ala ser glu asn his leu
 arg his cys leu ser cys ser lys cys arg lys glu met gly
 gln val glu ile ser ser cys thr val asp arg asp thr val
 cys gly cys arg lys asn gln tyr arg his tyr trp ser glu
 asn leu phe gln cys phe asn cys ser leu cys leu asn gly
 thr val his leu scr cys gln glu lys gln asn thr val cys
 thr cys his ala gly phe phe leu arg glu asn glu cys val
 ser cys ser asn cys lys lys ser leu glu cys thr lys leu
 cys leu pro gln ile glu asn val lys gly thr glu asp ser
 gly thr thr

, or a C- and/or N- terminally shortened sequence thereof; and

D) a polypeptide comprising the amino acid sequence:

leu val pro his leu gly asp arg glu lys arg asp ser val
 cys pro gln gly lys tyr ile his pro gln asn asn ser ile
 cys cys thr lys cys his lys gly thr tyr leu tyr asn asp
 cys pro gly pro gly gln asp thr asp cys arg glu cys glu
 ser gly ser phe thr ala ser glu asn his leu arg his cys
 leu ser cys ser lys cys arg lys glu met gly gln val glu
 ile ser ser cys thr val asp arg asp thr val cys gly cys
 arg lys asn gln tyr arg his tyr trp ser glu asn leu phe
 gln cys phe asn cys ser leu cys leu asn gly thr val his
 leu ser cys gln glu lys gln asn thr val cys thr cys his
 ala gly phe phe leu arg glu asn glu cys val ser cys ser
 asn cys lys lys ser leu glu cys thr lys leu cys leu pro
 gln ile glu asn val lys gly thr glu asp ser gly thr thr

, or a C- and/or N- terminally shortened sequence thereof.

66. A DNA according to claim 65, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.

67. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the amino-terminus and at the carboxyl-terminus.

68. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the amino-terminus.

69. A DNA according to claim 68, wherein said polypeptide includes a methionine at the amino-terminus.

70. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.

71. DNA coding for a polypeptide having the ability to bind TNF selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

met	asp	ser	val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn						

, or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

met	leu	val	pro	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val
his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys

ser asn cys lys lys ser leu glu cys thr lys leu cys leu
pro gln ile glu asn

, or a C- and/or N- terminally shortened sequence thereof;

C) a polypeptide comprising the amino acid sequence:

met asp ser val cys pro gln gly lys tyr ile his pro gln
asn asn ser ile cys cys thr lys cys his lys gly thr tyr
leu tyr asn asp cys pro gly pro gly gln asp thr asp cys
arg glu cys glu ser gly ser phe thr ala ser glu asn his
leu arg his cys leu ser cys ser lys cys arg lys glu met
gly gln val glu ile ser ser cys thr val asp arg asp thr
val cys gly cys arg lys asn gln tyr arg his tyr trp ser
glu asn leu phe gln cys phe asn cys ser leu cys leu asn
gly thr val his leu ser cys gln glu lys gln asn thr val
cys thr cys his ala gly phe phe leu arg glu asn glu cys
val ser cys ser asn cys lys lys ser leu glu cys thr lys
leu cys leu pro gln ile glu asn val lys gly thr glu asp
ser gly thr thr

, or a C- and/or N- terminally shortened sequence thereof;

D) a polypeptide comprising the amino acid sequence:

met leu val pro his leu gly asp arg glu lys arg asp ser
val cys pro gln gly lys tyr ile his pro gln asn asn ser
ile cys cys thr lys cys his lys gly thr tyr leu tyr asn
asp cys pro gly pro gly gln asp thr asp cys arg glu cys
glu ser gly ser phe thr ala ser glu asn his leu arg his
cys leu ser cys ser lys cys arg lys glu met gly gln val
glu ile ser ser cys thr val asp arg asp thr val cys gly
cys arg lys asn gln tyr arg his tyr trp ser glu asn leu
phe gln cys phe asn cys ser leu cys leu asn gly thr val
his leu ser cys gln glu lys gln asn thr val cys thr cys
his ala gly phe phe leu arg glu asn glu cys val ser cys
ser asn cys lys lys ser leu glu cys thr lys leu cys leu
pro gln ile glu asn val lys gly thr glu asp ser gly thr
thr

, or a C- and/or N- terminally shortened sequence thereof;

E) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val

leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly leu val pro his leu gly asp arg glu lys arg asp ser
 val cys pro gln gly lys tyr ile his pro gln asn asn ser
 ile cys cys thr lys cys his lys gly thr tyr leu tyr asn
 asp cys pro gly pro gly gln asp thr asp cys arg glu cys
 glu ser gly ser phe thr ala ser glu asn his leu arg his
 cys leu ser cys ser lys cys arg lys glu met gly gln val
 glu ile ser ser cys thr val asp arg asp thr val cys gly
 cys arg lys asn gln tyr arg his tyr trp ser glu asn leu
 phe gln cys phe asn cys ser leu cys leu asn gly thr val
 his leu ser cys gln glu lys gln asn thr val cys thr cys
 his ala gly phe phe leu arg glu asn glu cys val ser cys
 ser asn cys lys lys ser leu glu cys thr lys leu cys leu
 pro gln ile glu asn

, or a C- and/or N- terminally shortened sequence thereof;

F) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val
 leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly leu val pro his leu gly asp arg glu lys arg asp ser
 val cys pro gln gly lys tyr ile his pro gln asn asn ser
 ile cys cys thr lys cys his lys gly thr tyr leu tyr asn
 asp cys pro gly pro gly gln asp thr asp cys arg glu cys
 glu ser gly ser phe thr ala ser glu asn his leu arg his
 cys leu ser cys ser lys cys arg lys glu met gly gln val
 glu ile ser ser cys thr val asp arg asp thr val cys gly
 cys arg lys asn gln tyr arg his tyr trp ser glu asn leu
 phe gln cys phe asn cys ser leu cys leu asn gly thr val
 his leu ser cys gln glu lys gln asn thr val cys thr cys
 his ala gly phe phe leu arg glu asn glu cys val ser cys
 ser asn cys lys lys ser leu glu cys thr lys leu cys leu
 pro gln ile glu asn val lys gly thr glu asp ser gly thr
 thr

, or a C- and/or N- terminally shortened sequence thereof;

G) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val
 leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly asp ser val cys pro gln gly lys tyr pro ser gly pro gln
 asn asn ser ile cys cys thr lys cys his lys gly thr tyr

leu tyr asn asp cys pro gly pro gly gln asp thr asp cys
 arg glu cys glu ser gly ser phe thr ala ser glu asn his
 leu arg his cys leu ser cys ser lys cys arg lys glu met
 gly gln val glu ile ser ser cys thr val asp arg asp thr
 val cys gly cys arg lys asn gln tyr arg his tyr trp ser
 glu asn leu phe gln cys phe asn cys ser leu cys leu asn
 gly thr val his leu ser cys gln glu lys gln asn thr val
 cys thr cys his ala gly phe phe leu arg glu asn glu cys
 val ser cys ser asn cys lys lys ser leu glu cys thr lys
 leu cys leu pro gln ile glu asn

, or a C- and/or N- terminally shortened sequence thereof;

H) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val
 leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly asp ser val cys pro gln gly lys tyr ile his pro gln
 asn asn ser ile cys cys thr lys cys his lys gly thr tyr
 leu tyr asn asp cys pro gly pro gly gln asp thr asp cys
 arg glu cys glu ser gly ser phe thr ala ser glu asn his
 leu arg his cys leu ser cys ser lys cys arg lys glu met
 gly gln val glu ile ser ser cys thr val asp arg asp thr
 val cys gly cys arg lys asn gln tyr arg his tyr trp ser
 glu asn leu phe gln cys phe asn cys ser leu cys leu asn
 gly thr val his leu ser cys gln glu lys gln asn thr val
 cys thr cys his ala gly phe phe leu arg glu asn glu cys
 val ser cys ser asn cys lys lys ser leu glu cys thr lys
 leu cys leu pro gln ile glu asn val lys gly thr glu asp
 ser gly thr thr

, or a C- and/or N- terminally shortened sequence thereof; and

I) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val
 leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly leu val pro his leu gly asp arg glu lys arg asp ser
 val cys pro gln gly lys tyr ile his pro gln asn asn ser
 ile cys cys thr lys cys his lys gly thr tyr leu tyr asn
 asp cys pro gly pro gly gln asp thr asp cys arg glu cys
 glu ser gly ser phe thr ala ser glu asn his leu arg his
 cys leu ser cys ser lys cys arg lys glu met gly gln val
 glu ile ser ser cys thr val asp arg asp thr val cys gly
 cys arg lys asn gln tyr arg his tyr trp ser glu asn leu
 phe gln cys phe asn cys ser leu cys leu asn gly thr val
 his leu ser cys gln glu lys gln asn thr val cys thr cys
 his ala gly phe phe leu arg glu asn glu cys val ser cys
 ser asn cys lys lys ser leu glu cys thr lys leu cys leu
 pro gln ile glu asn val lys gly thr glu asp ser gly thr
 thr val leu leu pro phe ile gly leu met tyr phe gly leu
 leu ser leu leu phe leu tyr ser ile val cys gly lys ser
 trp lys ser lys leu tyr ser ile val cys gly lys ser thr
 pro glu lys glu gly glu leu glu gly thr thr lys pro
 leu ala pro asn pro ser phe ser pro thr pro gly phe thr
 pro thr leu gly phe ser pro val pro ser ser thr phe thr
 ser ser ser thr tyr thr pro gly asp cys pro asn phe ala
 ala pro arg arg glu val ala pro pro tyr gln gly ala asp
 pro ile leu ala thr ala leu ala ser asp pro ile pro asn
 pro leu gln lys trp glu asp ser ala his lys pro gln ser
 leu asp thr asp asp pro ala thr leu tyr ala val val glu
 asn val pro pro leu arg trp lys glu phe val arg arg leu
 gly leu ser asp his glu ile asp arg leu glu leu gln asn
 gly arg cys leu arg glu ala gln tyr ser met leu ala thr
 trp arg arg arg thr pro arg arg glu ala thr leu glu leu
 leu gly arg val leu arg asp met asp leu leu gly cys leu
 glu asp ile glu glu ala leu cys gly pro ala leu pro
 pro ala pro ser leu leu arg

, or a C- and/or N- terminally shortened sequence thereof.

72. A DNA according to claim 71, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.

73. A DNA according to claim 72, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.

87
74. DNA according to claim 2, wherein said DNA is selected from the group consisting of:

A) DNA comprising the sequence:

CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

B) DNA comprising the sequence:

CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA

, or a C- and/or N- terminally shortened sequence thereof;

C) DNA comprising the sequence:

GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT

GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
 TGC CTC AGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
 GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
 TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
 TTC CAG TGC TCC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
 CAC CTC TCC TCC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
 CAT GCA GGT TCC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
 AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
 CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof; and

D) DNA comprising the sequence:

GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
 ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
 GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
 GAG AGC GGC TCC TCC ACC GCT TCA GAA AAC CAC CTC AGA CAC
 TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
 GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
 TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
 TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
 CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
 CAT GCA GGT TCC TCT CTA AGA GAA AAC GAG TGT GTC TCC TGT
 AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
 CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
 ACA

, or a C- and/or N- terminally shortened sequence thereof.

75. DNA coding for a polypeptide having the ability to bind to TNF, wherein said DNA coding said polypeptide is selected from the group consisting of:

A) DNA comprising the sequence:

ATG CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
 GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
 ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
 GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
 GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
 TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
 GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
 TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
 TTC CAG TGC TCC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG

CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

B) DNA comprising the sequence:

ATG CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA

, or a C- and/or N- terminally shortened sequence thereof;

C) DNA comprising the sequence:

ATG GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

D) DNA comprising the sequence:

ATG GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG

ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA

, or a C- and/or N- terminally shortened sequence thereof;

E) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG
CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT
GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

F) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG
CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT
GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC

TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA

, or a C- and/or N- terminally shortened sequence thereof;

G) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG
CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT
GGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA
AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC
TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC
AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC
CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG
GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC
GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT
GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT
GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG
TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT
GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG
TTG TGC CTA CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

H) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG
CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT
GGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA
AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC
TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC
AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC
CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG
GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC
GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT
GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT
GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG
TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT
GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG
TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC
TCA GGC ACC ACA

, or a C- and/or N- terminally shortened sequence thereof; and

I) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CTG CCA CTG GTG
CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT
GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA GTG CTG TTG CCC CTG GTC ATT TTC TTT GGT CTT TGC CTT
TTA TCC CTC CTC TTC ATT GGT TTA ATG TAT CGC TAC CAA CGG
TGG AAG TCC AAG CTC TAC TCC ATT GTT TGT GGG AAA TCG ACA
CCT GAA AAA GAG GGG GAG CTT GAA GGA ACT ACT ACT AAG CCC
CTG GCC CCA AAC CCA AGC TTC AGT CCC ACT CCA GGC TTC ACC
CCC ACC CTG GGC TTC AGT CCC GTG CCC AGT TCC ACC TTC ACC
TCC AGC TCC ACC TAT ACC CCC GGT GAC TGT CCC AAC TTT GCG
GCT CCC CGC AGA GAG GTG GCA CCA CCC TAT CAG GGG GCT GAC
CCC ATC CTT GCG ACA GCC CTC GCC TCC GAC CCC ATC CCC AAC
CCC CTT CAG AAG TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC
CTA GAC ACT GAT GAC CCC GCG ACG CTG TAC GCC GTG GTG GAG
AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGG CGC CTA
GGG CTG AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC
GGG CGC TGC CTG CGC GAG GCG CAA TAC AGC ATG CTG GCG ACC
TGG AGG CGG CGC ACG CCG CGG CGC GAG GCC ACG CTG GAG CTG
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG
GAG GAC ATC GAG GAG GCG CTT TGC GGC CCC GCC GCC CTC CCG
CCC GCG CCC AGT CTT CTC AGA

, or a C- and/or N- terminally shortened sequence thereof.

76. A recombinant host cell containing a DNA molecule comprising a DNA coding for a polypeptide having the ability to bind TNF selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu leu pro leu val
 leu leu glu leu leu val gly ile tyr pro ser gly val ile
 gly leu val pro his leu gly asp arg glu lys arg asp ser
 val cys pro gln gly lys tyr ile his pro gln asn asn scr
 ile cys cys thr lys cys his lys gly thr tyr leu tyr asn
 asp cys pro gly ser phe thr ala ser glu asp cys arg glu cys
 glu ser leu ser cys ser lys thr cys arg lys glu met gly arg his
 cys ile ser ser cys thr val asp arg asp thr val cys gly val
 cys arg lys asn gln tyr arg his tyr trp ser glu asn leu
 phe gln cys phe asn cys ser leu cys leu asn gly thr val
 his leu ser cys gln glu lys gln asn thr val cys thr cys
 his ala gly phe phe leu arg glu asn glu cys val ser cys
 ser asn cys lys lys ser leu glu cys thr lys leu cys leu
 pro gln ile glu asn val lys gly thr glu asp ser gly thr
 thr val leu leu pro phe ile gly leu phe phe gly leu cys leu
 leu ser leu leu phe tyr ser ile val met tyr arg tyr gln arg
 trp lys ser lys glu gly leu glu glu thr thr thr lys thr
 pro glu lys glu pro ser phe leu glu pro thr pro gly phe thr
 leu ala pro leu gly phe thr pro pro val pro ser ser thr phe
 pro thr ser ser thr tyr thr pro gly asp pro pro cys pro asn
 ser ser ser arg arg glu thr ala leu ala ser asp pro gly ala
 ala pro arg leu ala thr trp glu asp ser ala his pro gln pro
 pro ile leu gln lys asp pro leu arg trp lys glu phe val val
 leu asp thr pro pro his glu ile asp arg leu glu arg arg glu
 asn val pro asp leu arg glu ala gln tyr ser met leu ala thr
 gly leu ser asp arg thr pro arg arg glu ala thr leu glu leu
 gly arg cys leu arg thr glu ala arg met asp leu leu cys leu
 trp arg arg arg val glu ala leu cys gly pro ala leu pro
 leu gly arg arg val glu glu leu leu arg;
 glu asp ile glu leu leu
 pro ala pro ser leu leu

B) a polypeptide comprising the amino acid sequence:

asp ser val cys pro gln gly lys tyr ile his pro gln asn
 asn ser ile cys cys thr lys cys his lys gly thr tyr leu
 tyr asn asp cys pro gly pro gly gln asp thr asp cys arg
 glu cys glu ser gly ser phe thr ala ser glu asn his leu
 arg his cys leu ser cys ser lys cys arg lys glu met gly
 gln val glu ilo ser ser cys thr val asp arg asp thr val
 cys gly cys arg lys asn gln tyr arg his tyr trp thr
 ser glu asn leu phe gln cys phe asn cys ser leu cys leu

asn gly thr val his leu ser cys gln glu lys gln asn thr
 val cys thr cys his ala gly phe phe leu arg glu asn glu
 cys val ser cys ser asn cys lys lys ser leu glu cys thr
 lys leu cys leu pro gln ile glu asn; and

C) a fragment of A or B.

77. A recombinant host cell according to claim 76, which is a mammalian cell.

78. A process for preparing a recombinant host cell containing polypeptide having TNF inhibitory activity comprising producing the polypeptide in a recombinant host cell according to claim 76, under suitable conditions to express the DNA molecule contained therein to produce the polypeptide.

79. A process according to claim 78, wherein said host cell is a prokaryotic cell.

80. A process according to claim 79, wherein said host cell is *E. coli*.

81. A process according to claim 78, wherein said host cell is a eukaryotic cell.

82. A process according to claim 81, wherein said host cell is a mammalian cell.

83. A process according to claim 82, wherein said host cell is a Chinese Hamster Ovary cell.

84. A process according to claim 82, wherein said host cell is a COS cell.

85. A process according to claim 78, wherein the DNA molecule comprises promoter DNA, other than the promoter DNA for the native polypeptide having TNF inhibitory activity, operatively linked to the nucleic acid encoding the TNF inhibitor.

86. A process according to claim 78, wherein the host cell is grown under suitable nutrient conditions to amplify the ^{DNA molecule} nucleic acid sequence.